

CDR Andrew H. Bellenkes, Ph.D. MSC USN

PUBLICATIONS AND REPORTS

- Bellenkes, A.H. (1978). Space Medicine: A prognosis for future research. ***Proceedings of the International Astronautical Federation Congress***. Dubrovnik, Yugoslavia.
- Bellenkes, A.H. (1979). The biomedical implications of extended duration zero-G extravehicular activities. ***Proceedings of the International Astronautical Federation Congress***. Munich, Germany.
- Bellenkes, A.H. (1979). The biomedical implications of engineering in space. ***Student Journal of the American Institute of Aeronautics and Astronautics***, 17:1.
- Houghton, J.O.; Cohen, M.M.; and Bellenkes, A.H. (1981). Biofeedback training of the M-1 Maneuver. ***XXIX International Congress of Aviation and Space Medicine***, 94-98.
- Bellenkes, A.H. and Warner, N.W. (1982). The use of voice interactive systems technology in the reduction of pilot workload. ***Proceedings of the Aerospace Medical Association Annual Meeting***, Bal Harbour, Florida, 1982.
- Bellenkes, A.H.; Lentz, J.M. and Guedry, F.E. (1983). The objective measurement of motion sickness-related central and autonomic responses in aviators. ***Proceedings of the Aerospace Medical Association Annual Meeting***, Houston, Texas.
- Kemmler, R.W.; Houk, W.M.; Bellenkes, A.H.; and Guedry, F.E. (1983). Airsickness prevention training. ***Proceedings of the Aerospace Medical Association Annual Meeting***, Houston, Texas.
- Bellenkes, A.H. (1984). The facilitation of dual-task performance using a peripheral visual horizon device. ***Proceedings of the Aerospace Medical Association Annual Meeting***, San Diego, California.
- Bellenkes, A.H. (1984). Dual-task timesharing using a projected attitude display (Malcolm Horizon). NAMRL-1319, ***Naval Aerospace Medical Research Laboratory***, Pensacola, Florida.
- Bory, A.; Bellenkes, A.H.; and Hiland, D. (1984). Self-paced airsickness desensitization (SPAD): Some preliminary findings. Pensacola, Florida: ***Naval Aerospace Medical Research Laboratory Technical Report***.
- Bellenkes, A.H. (1985). Human engineering impacts on the use of remotely operated devices during Air Force manned space operations: A report of the Space Medicine/Human Engineering Panel. ***USAF/NSIA/AIAA Space Operations Workshop II***. Colorado Springs, Colorado.
- Bellenkes, A.H. (1986). Anthropometric evaluation of the F-14D sensor control mechanization: Stick grip/throttle assembly. Bethpage, New York: Grumman Aircraft Systems Division. ***F-14D Human Engineering Test Report***, A55-91-R-87-002.
- Bellenkes, A.H. (1986). ***The F-14D Human Engineering Design Approach Document for Maintainers (HEDAD-M)***, Rev.A. Bethpage, New York: Grumman Aircraft Systems Division, A55-91-R-85-001.
- Bellenkes, A.H. (1986). Reports on life sciences technical sessions. In J. Harford (Ed.), ***Perspective on Non-U.S. Presentations at the 37th Congress of the International Astronautical Federation***, Innsbruck, 22-23.

- Bellenkes, A.H. and MacNichols, A. (1987). How to present a technical paper. *Student Journal of the American Institute of Aeronautics and Astronautics*, 25:4, 34-37.
- Bellenkes, A.H. (1988). Helmet-based imaging systems. Bethpage, New York: *Grumman Aircraft Systems Division Technical Report*, CSR-88-1.
- Bellenkes, A.H. (1989/90). ATARS Human Engineering Design Approach Document for Maintainers (HEDAD-M). Bloomington, Minnesota: *Control Data Corporation Technical Document*.
- Spruce, G.; Friedberg, J.; and Bellenkes, A.H. (1989/90). ATARS Human Engineering Design Approach Document for Operators (HEDAD-O). Bloomington, Minnesota: *Control Data Corporation Technical Document*.
- Bason, R.; Yacavone, D.W. and Bellenkes, A.H. (1991). Decompression Sickness: USN operational experience 1969-1989. *Aviation, Space and Environmental Medicine*, 62, 994-6.
- Bellenkes, A.H. (1991). Simulator sickness revisited. *Approach*, 37:5, 22-24.
- Bellenkes, A.H. (1991). Are we over-automating our aircraft or who's in control here anyway? *The Flyer, Journal of the Human Factors Society Aerospace Systems Technical Group*, 4:4.
- Yacavone, D.W.; Barker, C.O.; and Bellenkes, A.H. (1991). The Flight Surgeon's Guide to Duties and Responsibilities. Norfolk, Virginia: *Naval Safety Center Aeromedical Branch Publication*.
- Bellenkes, A.H. (1992). Human Factors at the Naval Safety Center: The AEP as Aircraft Mishap Investigator. *The Aerospace Experimental Psychologist Bulletin*, 1(1):5-7.
- Bellenkes, A.H.; Bason, R.; and Yacavone, D.W. (1992). Spatial disorientation in Naval aviation mishaps: A review of Class A incidents from 1980 through 1989. *Aviation, Space and Environmental Medicine*, 63, 28-31.
- Bellenkes, A.H. (1992). Human Factors in Aviation Maintenance: A Guide for Aeromedical and Safety Officers. Norfolk, Virginia: *Naval Safety Center Aeromedical Branch Publication*.
- Bellenkes, A.H. (1993). Naval air mishaps: The human factor. *Ergonomics In Design: The Magazine of Human Factors Applications*, 1:2, 26-31.
- Bellenkes, A.H. (1993). Ergonomics in the modern military cockpit. *Proceedings of the Aerospace Medical Association Annual Meeting*, Toronto, Canada.
- Bellenkes, A.H. and Pongratz, H. (1993). Controlled flight into terrain: The problems of unrecognized (Type I) spatial disorientation. *Proceedings of the 41st International Congress of Aviation and Space Medicine*, Hamburg, Germany.
- Bellenkes, A.H. (1994). Human factors and flight deck safety. *Proceedings of the Aerospace Medical Association Annual Meeting*, San Antonio, Texas.
- Bellenkes, A.H. and Erickson, R.E. (1994). Human engineering in weapons replaceable assembly design: Flight deck safety considerations. *Proceedings of the Aerospace Medical Association Annual Meeting*, San Antonio, Texas.
- Wickens, C.D., Bellenkes, A.H., and Kramer, A.F. (1995). Visual scanning by expert pilots: The role of attentional flexibility and mental model development. Urbana-Champaign, Il.: *The Beckman Institute for Advanced Science and Technology: Human Perception and Performance Technical Report*, UIUC-BI-HPP-95-05.

- Barker, C.O. and Bellenkes, A.H. (1996). U.S. Naval helicopter mishaps: Cockpit egress problems. *Aviation, Space, and Environmental Medicine*, 1996, 67:5, 480-485.
- Bellenkes, A.H. (1996). Expertise level and the development of scan and control strategies during flight. *Proceedings of the Aerospace Medical Association Annual Meeting*, Atlanta, Georgia.
- Bellenkes, A.H. and Pongratz, H. (1996). A cognitive systems engineering approach to aviation mishap investigation. *Proceedings of the Aerospace Medical Association Annual Meeting*, Atlanta, Georgia.
- Bellenkes, A.H., Wickens, C.D., and Kramer, A.F. (1997). Visual scanning by expert pilots: The role of attentional flexibility and mental model development. *Aviation, Space, and Environmental Medicine*, 68:7, 569-579.
- Bellenkes, A.H. (1997). Cockpit visual scan and controlled flight into terrain. *NYALA. The Safety Journal of the South African Air Force*, 1, 11-14.
- Bellenkes, A.H. (1998). Situation awareness in aviation: A new look. Pt.I: An introduction to SA. *Bones, The COMNAVAIRLANT Force Medical Journal*. 5(2), 16-19.
- Bellenkes, A.H. (1998). Situation awareness in aviation: A new look.Pt.II: Types of SA. *Bones, The COMNAVAIRLANT Force Medical Journal*. 5(3), 26-31.
- Bellenkes, A.H. (1999). The Human Factor in Aviation. In: *A Primer on Aircraft Accident Investigation for the Aerospace Medicine Investigator*. Alexandria, VA: Aerospace Medical Association.
- Bellenkes, A.H. (1999). Conducting the On-Site Human Factors Engineering investigation. In *A Primer on Aircraft Accident Investigation for the Aerospace Medicine Investigator*. Alexandria, VA: Aerospace Medical Association.
- Bellenkes, A.H. (1999). Tactical scan breakdown and loss of situational awareness. *Proceedings of the 4th Annual Symposium and exhibition on Situational Awareness in the Tactical Air Environment*. Patuxent River, MD.
- Bellenkes, A.H. (1999). Human Factors in Naval Aviation: The Year in Review. *Proceedings of the 70th Annual Congress of the Aerospace Medical Association*. Detroit, MI.
- Bellenkes, A.H. (1999). Visual attention and the maintenance of cockpit situational awareness. *Proceedings of the 47th International Congress of Aviation and Space Medicine*. Budapest, Hungary.
- Bellenkes, A.H. (1999). The use of expert pilot performance models to facilitate cockpit visual scan training. Dissertation. Champaign-Urbana: University of Illinois.
- Bellenkes, A.H. (2000). Conducting the human engineering portion of the on-site aeromedical mishap investigation. *Proceedings of the 71st Annual Congress of the Aerospace Medical Association*. Houston, Texas.
- Bellenkes, A.H. (2000). The importance of mental model building in the development of cockpit instrument scan strategy. *Proceedings of the 71st Annual Congress of the Aerospace Medical Association*. Houston, Texas.
- Bellenkes, A.H. (2000). Operational risk management as an international standard in aviation safety. *Proceedings of the 48th International Congress of Aviation and Space Medicine*. Rio de Janeiro, Brazil.

Bellenkes, A.H. (2001), Human Factors in Naval UAV/Drone Operation and Maintenance. Proceedings of the 72nd Annual Congress of the Aerospace Medical Association. Reno, Nevada.

Bellenkes, A.H. (in preparation), The Human Factor in Homeland Defense (2002).

Bellenkes, A.H. (in preparation), Operational Risk Management as a Tool in Homeland Defense (2002).

Numerous Scientific Articles, manuscripts, and Book Reviews for **The Aerospace Medical Association, The Human Factors and Ergonomics Society, The Ergonomics Society.**